

JOE ORDER

 **EG&G ROCKY FLATS**

ROCKY FLATS PLANT, P.O. BOX 464, GOLDEN, COLORADO 80402-0464 - (303) 966-7000

Jessie M. Roberson  
Assistant Manager for  
Environmental Restoration Division  
DOE/BFEO

**Action:** Concurrence with proposed action

The OU 1 IM/IRAP governs the collection and treatment of groundwater from OU 1 sources. EG&G Rocky Flats Inc. is proposing to remove treatment from the OU 1 IM/IRAP and transfer treatment to the Sitewide Treatment Facility (STF). The STF is an upgrade of the existing OU 1 Treatment Facility (Building 891), consisting of the addition of treatment equipment that allows the acceptance and treatment of waters from the OU 7 collection system and the SW-59 collection system installed at OU 2.

The additional treatment equipment to be installed in Building 891 is presently located at the OU 2 Field Treatability Unit. The modules to be relocated are: the Chemical Precipitation/Microfiltration Unit consisting of chemical precipitation tanks and mixers, a micro-filtration unit, and a sludge dewatering unit; the Granular Activated Carbon Columns; and a prefilter system of bag filters. A new reaction tank will be acquired and fitted with existing mixers and metering pumps. The existing hydrogen peroxide supply in Building 891 will be used to feed the reaction tank. This equipment will be used with the prefilter system as a temporary Iron removal system for OU 7 water until the microfiltration unit is installed. Process piping between the existing treatment units in Building 891 will be modified to accommodate the new equipment and allow for optimizing the influent flow path to maximize treatment efficiency. A description of these components and the treatment process can be found in the IM/IRAP Decision Documents for OU 1 and OU 2 dated January 1990 and March 1991 respectively.

The STF will treat the remaining sources from OU 1 and OU 2, water from OU 7, and potentially other waters derived from environmental remediation activities that meet the STF acceptance criteria. The OU 2 source (SW-59) is characterized in the OU 2 Final Surface Water IMRAP of March 1991. The OU 7 source is characterized in the Proposed Action Memorandum Seep Collection and Treatment Operable Unit No. 7 dated October 13, 1994. These additional sources will be collected and stored at the sites described in the previously referenced documents. Accumulated waters will then be periodically trucked to the STF for treatment. All source waters will be treated to attain the Applicable or Relevant and Appropriate Requirements and compliance with them will be demonstrated prior to the release of treated effluent.

IN REPLY TO RFP CC NO:

ACTION ITEM STATUS  
7. PARTIAL/OPEN

~~✗~~ CLOSED  
LTR APPROVALS:

ORIG & TYPIST INITIALS

ZF-25450 (Rev. 6-74)

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U.S. DEPT. OF JUSTICE

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It is EG&G Rocky Flats Inc.'s recommendation that concurrence for these changes be obtained from the Colorado Department of Public Health and Environment and the Environmental Protection Agency.

Please contact Steven Joliat at extension 2534, Ty Vess at extension 6540, or Mike Rupert at extension 6956 with any questions.



S. G. Stiger, Director  
Environmental Restoration Program Division  
EG&G Rocky Flats, Inc.

SAJ:alc

Orig. and 1cc - J. M. Roberson

cc:

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